

ABSTRACT OF THE DISCLOSURE

A method of fabricating a liquid crystal display device includes forming a gate electrode, a gate bus line, and a gate pad on a substrate using a first mask process, forming a gate insulating layer and an active layer on an entire surface of the substrate, forming a first organic material film on an entire surface of the substrate, removing a portion of the first organic material film to expose a first portion of the gate pad, depositing a transparent film on an entire surface of the substrate, patterning the transparent film using a second half-tone mask to form a data bus line, a source electrode, a drain electrode, a pixel electrode, a channel layer, and an ohmic contact layer, exposing portions of the data pad and data bus line using a third mask, forming a second organic material film on an entire surface of the substrate, depositing a low resistance material on the data bus line, coating a passivation film on the substrate, removing the second organic material film using a lift-off process to expose a second portion of the gate pad and a first portions of the data pad.